Recreational Use Attainability Analysis

Cover Sheet

Water Body Name: Davis Crelk Ditch
Water Body Identification #: 253
Completed UAA Checklist: Pre-Field Preparatory Data Sheet Maps with actual survey sites marked Data Sheet A Data Sheet B – 3 of 3 pages for each site Number of Sites: Data Sheet C (if applicable) Number of Interviews: Photographs Quantities Upstream Downstream Other Other
I, the undersigned, hereby affirm to the best of my knowledge, that all information reported in this UA. is true and accurate.
Signed: Date: $6/25/2006$ Printed Name: $Cour Hill$ Telephone #: $(410)356-8993$ Organization: $TltyaTl(h,TNC)$ Position: $Scientististististististististististististist$
REVISITS: 2

<u>Pre-Field Preparatory Data Sheet</u> <u>for Recreational Use Stream Surveys</u>

Water Body Name: Davis Cr (from USGS 7.5' quad)	relk Ditch
8-digit HUC: 10240005	Missouri Water Body Identification (WBID) #: 253
County: HOIH	
Upstream Legal Description: 40.12	
Downstream Legal Description: 40.100	741, -96,23589
Discharger Facility Name(s): USFWS	, SQUAW Creek NWR
Discharger Permit Number(s): N/A	
Weather Conditions for Past 7 days: 50	inny, warm, cloudy, rainy

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest.

Date: 06/25/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet A - Water Body Identification

Water Body Name: Davis Creek Ditch

WBID #: 253

Upstream Coordinates: 40.13185, 95.22260

Downstream Coordinates: (WGS 84, ddd.ddddd)

Downstream Coordinates: (WGS 84, ddd.ddddd)

Current Weather Conditions: Warm, 50nmy/Cloudy, 5howers

Number of Sites Evaluated: (p

Name(s) of Surveyor(s): (Olin Hill, Carolina Gallardo)

WBID# 253 Site# 746

' Date: <u>06 / 25 / 2006</u>

Field Data Sheets for Recreational Use Stream Surveys

				for each site)	
(A separate Data Sheet B must be completed for Latitude (ddd.dddd): 40, 13185 Longitude (ddd.dddd): 95.22260				Arrival Time:	סל
Photo Ids: Upstream: Downstream:				Other:	
0154 0155				015	8 0159
arrative Description	of Location: (De	scribe	access point to stream, nea	arby roads, landmarks, etc.)	
at HWY 59	ondge cro	55i	ng.	, , , , , , , , , , , , , , , , , , , ,	
urrounding Condition	ns*: (Mark all that p	oromo	te or impede recreational u	ses. Attach photos of evide	ence or unusual
☐ City/county parks	☐ Playgrounds		MDC conservation lands	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks		lational forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	☐ Steep slopes		Dother: Ag Gl	
uman Uses Observed	*:				(0)-1)
	☐ Skin diving		☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking		☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	□ Trapping		☐ Fishing	None of the above	☐ Other:
			, and also, photo	documentation of evidence	of recreational uses, etc.)
ridence of Human Hea	<u>,</u> *•				
vidence of Human Use ☐ Roads		tq	□ Dock/platform	☐ Livroto de W. t	
□ Roads	☐ Foot paths/prin	ts	☐ Dock/platform	☐ Livestock Watering	□ RV / ATV Tracks
	☐ Foot paths/prin☐ Camping Sites		□ Dock/platform □ Fire pit/ring 5%	☐ Livestock Watering ☐ NPDES Discharge	□ RV / ATV Tracks □ Fishing Tackle
☐ Roads ☐ Rope swings	☐ Foot paths/prin☐ Camping Sites	(D	☐ Fire pit/ring	<u> </u>	

Oced Cri Hi 6/25

WBID #	253	_ Site # _	746
Date: 04	_		
			Data Shee
Stream Ma	ornholog	* 7.•	

Data Sheet B - Site Characterization - 2 of 3

Upstream View Physical Dimensions:

Distance from access point (m)

Riffle

Width (m)

Length (m)

Avg. Depth (m)

Max Depth (m)

Downstream View Physical Dimensions:

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
□ Riffle					
Run	50 15	2.5	10	6.3	0.4
□ Pool					<u> </u>
Flow	Present? Yes	□ No	Velocity (ft/sec):	0.4 m/second	

Substrate*: (These values should add up to 100%.)

% Cobble % Gravel 50 % Sand 40 % Silt 10 % Mud/Clay % Bedrock

Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)

N/X

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	None	☐ Other:	
Color:	☐ Clear	☐ Green	☐ Gray	Milky	☐ Other:	
Bottom Deposit:	□ Sludge	□ Solids	Fine sediments		☐ Other:	
Surface Deposit:	□ Oil	□ Scum	☐ Foam	None	☐ Other:	
					· 	

Aced at Hell 6/25

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID# 253 Site# 746

Date: <u>06 / 25 / 200</u>6

Data Sheet B - Site Characterization - 3 of 3

omments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique l nditions, problems in measuring, site relocation).	ocal

WBID# 253	Site #	746
-----------	--------	-----

Date: 06/25 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C - Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live i	in the area? U U U U U U U U U U U U U	Yes □ No lived here?		·- ,					
2. Have you per If so, ples	rsonally used th	is water body for re that apply:	ecreation since 1975?	□ Yes □ No					
	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing					
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting					
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:					
3. Have you obs	How often do you use it for recreation? More than 5 times per year 1 - 5 times per year Less than 1 time per year - please describe: 3. Have you observed others using this water body for recreation since 1975? No								
If so, plea	ise check ALL t	hat apply:	T	975? □ Yes □ No					
Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing					
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting					
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:					
[For recreation?						
4. Additional Co	omments:								
Contact Informa Name:	tion (if willing	to provide):							

Address:

Telephone #:

WBID # 253 Site # 747

Date: <u>66 / 25 / 2006</u>

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

T				,	
Latitude (ddd.dddd):	10.12786			Arrival Time:	
Longitude (ddd.dddd):	95.22547		1441	4	
Photo Ids: Upstream:]	Oownstream:		Other: 016	γ
0	160		UIQ	_	
arrative Description	of Location: (De	scribe access point to	o stream, nearb	v roads landmarks ato)
# off of	2 nd struct	7 at Tr	el Limk	yard waste	e dump site.
urrounding Conditio	ns*: (Mark all that p	promote or impede re	ecreational uses	. Attach photos of evidence	ence or unusual
☐ City/county parks	☐ Playgrounds	☐ MDC conservat	tion lands	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	☐ National forests		☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	Steep slopes	0162 1	Other:	
ıman Uses Observed	*:				
☐ Swimming	☐ Skin diving	□ SCUBA d	living	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating		□ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	``	None of the above	D 041
Describe: (include numb	or or marviduals reco	caming, frequency of	use, pnoto-doc	umentation of evidence	of recreational uses, etc
idence of Human Us	e*:				
□ Roads	☐ Foot paths/prin	ts Dock/pla	tform	Livestock Watering	□ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites	☐ Fire pit/ri		NPDES Discharge	☐ Fishing Tackle
☐ Other:					1 2 1 isiming 1 dekie
urces of Pollution: (e.	g., trash dumping, tir	es, drainages, discha	rges, etc.)		
		■			

00d de Au 6/25

WBID # 253 Site # 747

Date: 06/25/2006

Data Sheet B - Site Characterization - 2 of 3

Stream Mornhology:

	Distance from access point (m	1 1 1/id4h /	n) Length	(m)	Avg. Depth (m)	Max Depth (m)	
☐ Riffle							
□ Run	162						
⋈ Pool	100 60	3	30		0.2	0.35	
Flow	Present? XY	es □ No	Velocity (f	=====================================	2m/sec	0.22	
Downstrea	ım View Physica	I Dimansions			1-		
	Distance from access point (m)	Width (m	Length (m)	Avg. Depth (m)	Max Depth (m)	
□ Riffle							
□ Run							
X Pool	0	2.5	30		0.3	0.35	
□ Flow	Present?	es 🗆 No	Velocity (ft/s	ec):	0.1 m/sec	<u> </u>	
					7000		
bstrate*: (These values should	add up to 100%)					
	These values should Cobble 20 %	add up to 100%.) % Gravel 50	7 % Sand	b % Silt	10% Mud/Clay	% Bedro	
% (Cobble 20 %	% Gravel 50	9 % Sand 2	···········		% Bedroo	
uatic Veget	tation*: (Note amo	Gravel 50	2	···········		% Bedro	
uatic Veget	Cobble 20 %	Gravel 50	2	sessment sit	e.)	% Bedroo	
watic Veget N/A- ter Charac	tation*: (Note amo	Gravel 50 Sount of vegetation or all that apply.)	algal growth at the as	sessment sit	e.)	% Bedro	
watic Veget N/A	tation*: (Note amo	ount of vegetation or all that apply.)	algal growth at the as	sessment sit	e.)	% Bedroo	

Deed CT AM

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID# 253 Site# 747

Date: 06/ 25/ 2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).	
	_
	_
	_
	_

WBID #	253	Site	#	747
---------------	-----	------	---	-----

Date: 06/25/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C - Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live i	in the area? U v long have you	Yes □ No		views)				
2. Have you per If so, plea	rsonally used thase check ALL t	is water body for rethat apply:	ecreation since 1975?	□ Yes □ No				
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing				
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting				
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:				
3. Have you obs	How often do you use it for recreation? More than 5 times per year 1 - 5 times per year Less than 1 time per year - please describe: 3. Have you observed others using this water body for recreation since 1975? Yes							
If so, plea	ise check ALL t	hat apply:						
Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing				
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting				
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:				
]]	How often have you observed it being used for recreation? More than 5 times per year 1 - 5 times per year Less than 1 time per year – please describe:							
4. Additional Co	omments:							
Contact Informa Name:	tion (if willing t	to provide):						

Address:

Telephone #:

WBID # <u>253</u> Site # <u>748</u>

Date: <u>06 / 25 / 2006</u>

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

Latitude (ddd.dddd): 4	0 12969				Arrival Time:	c (10E
Longitude (ddd.dddd):					142	5 1503
Photo Ids: Upstream:	I	Downs	tream:			
0	170	*****	0171		Other: 0145 0166	0169
Narrative Description	of Location: (De	scribe	access point to stream, ne	arby ro	ads, landmarks, etc.)	
at Stat	e St. bridge	. CV	ossing.			
Surrounding Condition items of interest.)	ns*: (Mark all that p	oromo	te or impede recreational t	ises. At	ttach photos of evide	nce or unusual
☐ City/county parks	☐ Playgrounds		ADC conservation lands	D T	Jrban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks		lational forests		Vature trails	☐ Stairs/walkway
☐ No trespass sign ☐ Fence ☐ Steep slopes			teep slopes	X	Other: Trailers	on stream's
Human Uses Observed	*:				idge	(RB)
☐ Swimming	☐ Skin diving		☐ SCUBA diving		Гubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking		☐ Boating		Wading	☐ Rafting
☐ Hunting	☐ Trapping		☐ Fishing	X	None of the above	☐ Other:
Describe. (include humb	er or individuals rec	reating	g, frequency of use, photo-	-docum	entation of evidence	of recreational uses, etc.)
Evidence of Human Us	e*: 0165, 01	66				
☐ Roads	Foot paths/prin		☐ Dock/platform		ivestock Watering	☐ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites		☐ Fire pit/ring	□N	PDES Discharge	☐ Fishing Tackle
Other: Trash	dumping	(01	68,0169)			
Sources of Pollution: (e.	g., trash dumping, ti	res, dr	ainages, discharges, etc.)			
1	lumping					
	- 0					

Old On All

WBID# 253 Site# 7-48 4 Date: 06 / 25 / 2006 Data Sheet B - Site Characterization - 2 of 3 Stream Morphology: **Upstream View Physical Dimensions:** Distance from Width (m) Length (m) Avg. Depth (m) Max Depth (m) access point (m) ☐ Riffle ☐ Run M Pool 60 50 0.4 0.7 Yes Yes Present? □ No Velocity (ft/sec): **Downstream View Physical Dimensions:** Distance from Width (m) Length (m) Avg. Depth (m) Max Depth (m) access point (m) ☐ Riffle Run 17 0.35 0.5 ☐ Pool □ Flow Present? ⊠ Yes □ No Velocity (ft/sec): Substrate*: (These values should add up to 100%.) % Cobble % Gravel % Sand 60 30 % Silt % Mud/Clay % Bedrock Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.) minor amounts of algae Water Characteristics*: (Mark all that apply.) Odor: ☐ Sewage ☐ Musky ☐ Chemical X None ☐ Other:

Color: ☐ Clear ☐ Green ☐ Gray ☑ Milky ☐ Other: Bottom Deposit: ☐ Sludge ☐ Solids Fine sediments □ None ☐ Other: Surface Deposit: □ Oil □ Scum Foam alova □ None ☐ Other:

Red GUHAL 6/25

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID #	253	_Site#_	748
Date: <u>06</u>	1 25 1	2006	

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).	
	_
	_
	_

WBID	··	253	Site	#	748

Date: 06/25/2006

Telephone #:

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C - Interviews

(Make additional copies as necessary for multiple interviews)

2. Have you pe	w long have you	lived here?	ecreation since 1975?	□ Yes □ No	
□ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	[] W1''	
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Water skiing	
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Rafting ☐ Other:	
3. Have you ob	☐ 1 – 5 time. ☐ Less than	1 time per year – p	lease describe:		
☐ Swimming	Skin diving	SCUBA diving	☐ Tubing	☐ Water skiing	
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting	
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	Other:	
١	☐ More than ☐ 1 - 5 times ☐ Less than 1		for recreation? ease describe:		
Contact Informa Name: Address:	ition (if willing	to provide):			

WBID # 253 Site # 749

Date: 06 / 25 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

•			· 2 mast of completed	i for each site)		
Latitude (ddd.dddd):	40.12949			Arrival Time:		
Longitude (ddd.dddd):	95 2369	36		165	5	
Photo Ids: Upstream:			stream:	Other: 0177		
017	18	\mathcal{C}	179	018		
				UIS		
Narrative Description	of Location: (Des	scribe	access point to stream, ne	arby roads, landmarks, etc.)		
at Hw	yI-29 bridg	jl	crossing.	-		
Surrounding Condition items of interest.)	s*: (Mark all that p	romo	te or impede recreational ι	uses. Attach photos of evide	nce or unusual	
☐ City/county parks	☐ Playgrounds		MDC conservation lands	☐ Urban areas	☐ Campgrounds	
☐ Boating accesses	☐ State parks		National forests	☐ Nature trails	☐ Stairs/walkway	
☐ No trespass sign	☐ No trespass sign ☐ Fence ☐ Steep slopes			☐ Other:		
Human Uses Observed	*:					
☐ Swimming	☐ Skin diving		☐ SCUBA diving	☐ Tubing	☐ Water skiing	
☐ Wind surfing	☐ Kayaking		☐ Boating	☐ Wading	☐ Rafting	
☐ Hunting	□ Trapping		☐ Fishing	None of the above	☐ Other:	
Describe: (include numbe	er of individuals recr	eating	g, frequency of use, photo-	documentation of evidence	of recreational uses, etc.)	
Evidence of Human Use	<u>)*:</u>					
Roads	☐ Foot paths/print	ts	☐ Dock/platform	☐ Livestock Watering	□ RV / ATV Tracks	
☐ Rope swings	☐ Camping Sites	-0.11	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle	
Other: Till W	rarks on R	igh	t bank adjac	cent to Struam		
Sources of Pollution: (e.g	g., trash dumping, tir	es, dr	ainages, discharges, etc.)			
TIMES UNDER	WATER					

Oped CM' Air

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
□ Riffle					
KRun	25	1.5	15	0.3	0.45
□ Pool					<u> </u>
Flow	Present? Yes	□ No	Velocity (ft/sec):	0.4 m/sec	<u> </u>
Downstrea	am View Physical D Distance from access point (m)	imensions: Width (m)	Length (m)	Avg. Depth (m)	
Oownstrea □ Riffle	Distance from		Length (m)		Max Depth (m)

Substrate*:	(These values should add up to 100%.)	
- about att	(These values should add up to 100/0.1	

∠X Yes

Present?

☐ Pool

∑(Flow

% Cobble	10 % Gravel	70 % Sand	20 % Silt	% Mud/Clay	% Bedrock

Velocity (ft/sec):

0.4 m/sec

Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment si	ite.)
--	-------

□ No

	r		
N / I			
K 1 1 1	`		
	·	 	

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	None	☐ Other:	
Color:	□ Clear	☐ Green	☐ Gray	⊠ Milky	☐ Other:	
Bottom Deposit:	☐ Sludge	□ Solids	Fine sediments	□ None	☐ Other:	
Surface Deposit:	□ Oil	□ Scum	☐ Foam	None	☐ Other:	

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

Red Or New 6/25

WBID	#	253	_ Site #	749
Datas	N.1	25,	2000	

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unionditions, problems in measuring, site relocation).	que local

WBID #_	253	Site#_	749
Date:	61751	2001	

Telephone #:

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews
(Make additional copies as necessary for multiple intervie

1. Do you live: If so, how	in the area?		sary for muniple inter	views)		
2. Have you pe If so, ple	rsonally used thi	is water body for rethat apply:	ecreation since 1975?	□ Yes □ No		
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing		
☐ Wind surfing	Talling Carting					
☐ Hunting ☐ Trapping ☐ Fishing ☐ None of the above ☐ Other:						
	☐ 1 – 5 times ☐ Less than	5 times per year s per year 1 time per year – p	lease describe:			
If so, plea	served others using the check ALL ti	ing this water body hat apply:	for recreation since 1	975? □ Yes □ No		
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing		
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting		
☐ Hunting	□ Trapping	☐ Fishing	☐ None of the above	☐ Other:		
l 1	How often have you observed it being used for recreation? More than 5 times per year 1 - 5 times per year Less than 1 time per year – please describe: 4 Additional Comments:					
Contact Informa Name: Address:		to provide):				

WBID# 253 Site# 750

Date: 06 / 25 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

Latitude (ddd.dddd):	40.08954		Arrival Time:		
Longitude (ddd.dddd):				020	
Photo Ids: Upstream:		ownstream:	Other: 0172		
017	5	0176			
Narrative Description	of Location: (Des	cribe access point to stream.	nearby roads, landmarks, etc.)		
off between	n CR220 0	and Covington	Rd. (Part of Sq National Wild	vaw creek	
			Nanoval Wild	The lefuge)	
			al uses. Attach photos of evide		
☐ City/county parks	☐ Playgrounds	☐ MDC conservation lands	☐ Urban areas	☐ Campgrounds	
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway	
☐ No trespass sign	☐ Fence	☐ Steep slopes	** Other: National	Wildlife Refug	
Human Uses Observed	*:			0172	
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing	
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting	
☐ Hunting	☐ Trapping	☐ Fishing	None of the above	☐ Other:	
Describe: (include numb	er of individuals recr	eating, frequency of use, pho-	to-documentation of evidence	of recreational uses, etc.)	
			,		
Evidence of Human Us	e*:				
Roads	☐ Foot paths/print	s Dock/platform	☐ Livestock Watering	☐ RV / ATV Tracks	
☐ Rope swings	☐ Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle	
A Other: Nation	al Wildlia	e Refuge (017)	<u> </u>	*	
ources of Pollution: (e.	g., trash dumping, tir	es, drainages, discharges, etc.)		

1 d CV St 6/25

te: <u>04/</u>	25 / 2006				4
	Da	ta Sheet B - Site Ch	aracterization – 2	of 3	
eam Morp					
Opstream	View Physical Di Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					
Run	10	2.5	10	0.25	6.3
□ Pool					
Flow	Present? Yes		VI-1	0 0 00 /	
	Tresent.	s □ No	Velocity (ft/8ec):	U.Z MISEC	
			velocity (<u>mæc</u> c):	0.2 m/sec	
	m View Physical Distance from access point (m)		Length (m)	Avg. Depth (m)	Max Depth (m)
	m View Physical Distance from	Dimensions:			Max Depth (m)
Downstrea	m View Physical Distance from	Dimensions:			
Downstrea ☐ Riffle	m View Physical Distance from access point (m)	Dimensions: Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
Downstrea ☐ Riffle ☐ Run	m View Physical Distance from access point (m)	Dimensions: Width (m)	Length (m)	Avg. Depth (m) 0.25	
Downstrea □ Riffle ⊠ Run □ Pool ⊠ Flow	m View Physical Distance from access point (m)	Dimensions: Width (m) 2	Length (m)	Avg. Depth (m)	
Downstrea ☐ Riffle ☐ Run ☐ Pool ☐ Flow Dstrate*: (m View Physical Distance from access point (m) O	Dimensions: Width (m) 2	Length (m)	Avg. Depth (m) 0.25	0.3

Water Characteristics*: (Mark all that apply.)

Odor:	□ Sewage	☐ Musky	☐ Chemical	None	☐ Other:	···
Color:	□ Clear	☐ Green	☐ Gray	Milky	☐ Other:	
Bottom Deposit:	□ Sludge	☐ Solids	Fine sediments	□ None	☐ Other:	
Surface Deposit:	□ Oil	□ Scum	□ Foam	None	☐ Other:	

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

Ded at He

WBID	#	253	_ Site # _	750
Date:	061	25/	2006	

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipal conditions, problems in measuring, site relocation).	red unique local

' WBID # 253 Site # 750

Date: 06/ 25/ 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C - Interviews

(Make additional copies as necessary for multiple interviews)

	v long have you	lived here?			
If so, ples	ase check ALL t	that apply:	ecreation since 1975?	☐ Yes ☐ No	
Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing	
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting	
☐ Hunting ☐ Trapping ☐ Fishing ☐ None of the above ☐ Other:					
How often do you use it for recreation? More than 5 times per year 1 - 5 times per year Less than 1 time per year - please describe: Have you observed others using this water body for recreation since 1975? No					
If so, plea	ise check ALL t	hat apply:		T	
Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing	
☐ Wind surfing	☐ Kayaking	Boating	□ Wading	☐ Rafting	
Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:	
How often have you observed it being used for recreation? More than 5 times per year 1 - 5 times per year Less than 1 time per year - please describe:					
4. Additional Co	omments:				
Contact Informa Name:	tion (if willing	to provide):			

Address:

Telephone #:

WBID # <u>253</u> Site # <u>751</u>

Date: 06/ 25/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

	•			ror each site;		
Latitude (ddd.dddd): 40.07023				Arrival Time:		
Latitude (ddd.dddd): 40.07023 Longitude (ddd.dddd): 95.23399 Arrival Time: 1542					542	
Photo Ids: Upstream:		Down	stream:	Other: 0172		
017	-3		0174		•	
Narrative Description	of Location: (De	scribe	access point to stream, nea	arby roads, landmarks, etc.)		
or CR 235	bridge en)5\$1	ng in Squa	wck National	Wildlife Refuge	
					. ,)	
Surrounding Condition						
Surrounding Condition items of interest.)	IS": (Mark all that p	oromo	ote or impede recreational u	ses. Attach photos of evide	nce or unusual	
☐ City/county parks	☐ Playgrounds		MDC conservation lands	☐ Urban areas	☐ Campgrounds	
☐ Boating accesses	☐ State parks ☐ N		National forests	☐ Nature trails	☐ Stairs/walkway	
☐ No trespass sign	☐ Fence ☐ Steep slopes		Other: National Wildlife Refige			
Human Uses Observed	*:				(0172)	
☐ Swimming	☐ Skin diving		☐ SCUBA diving	☐ Tubing	☐ Water skiing	
☐ Wind surfing	☐ Kayaking		☐ Boating	☐ Wading	☐ Rafting	
☐ Hunting	☐ Trapping		☐ Fishing	None of the above	☐ Other:	
Describe: (include numbe	er of individuals reco	reating	g, frequency of use, photo-	documentation of evidence	of recreational uses, etc.)	
	•					
		.				
Evidence of Human Use	<u>,*:</u>					
Roads	☐ Foot paths/prin	ts	□ Dock/platform	☐ Livestock Watering	□ RV / ATV Tracks	
☐ Rope swings	☐ Camping Sites		☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle	
Aother: Nationa	u wild life	Vl	fuge.		B	
	1		+ -			
Sources of Pollution: (e.g	., trash dumping, tir	es, dr	ainages, discharges, etc.)			

Red GC Hil 6/25

	253 Site# 7 251 2006	<u>51</u>			4
ate: _06/_					
	Data	a Sheet B - Site Cha	racterization – 2 of	f 3	
tream Morj Upstream	phology: View Physical Din	nensions:			
	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					
Run	15	2	15	0.3	0.4
☐ Pool					8
▼ Flow	Present? XYes	□ No	Velocity (ft/sec): 0.	2 m/sec	Cg 6/25
Downstrea	m View Physical E	Dimensions:			
	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					
Run	25	3	20	0.3	0.4
□ Pool					0 - 1
Flow	Present? XYes	□ No	Velocity (ft/sec):	0.2 m	
hstrato*• (Those values should at	1 (1000()			
	These values should add	Gravel % Sa	and 60 % Si	lt 4/) % Mud/Clay	0/75
<u></u>				10	% Bedrock
uatic Vege	tation*: (Note amoun	t of vegetation or algal gr	rowth at the assessment	site.)	
N/	+				
,					
aton Cl	cteristics*: (Mark all				

Odor:	☐ Sewage	□ Musky	☐ Chemical	None	Other:	
Color:	□ Clear	☐ Green	☐ Gray	Milky	☐ Other:	
Bottom Deposit:	□ Sludge	□ Solids	Fine sediments	□ None	☐ Other:	
Surface Deposit:	□ Oil	□ Scum	☐ Foam	None	☐ Other:	

Dod Gi Ail 6/25

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID# 253 Site# 751

Date: 06 / 25 / 2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).	
	_

WBID# 253 Site# 751

Date: 06 / 25 / 2006

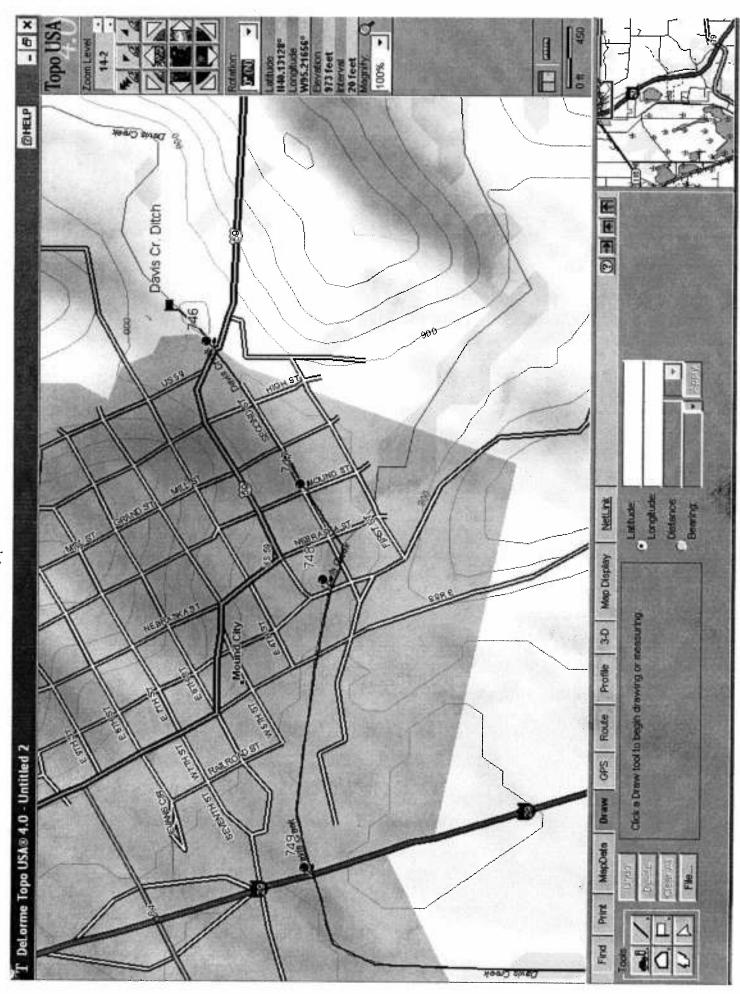
Telephone #:

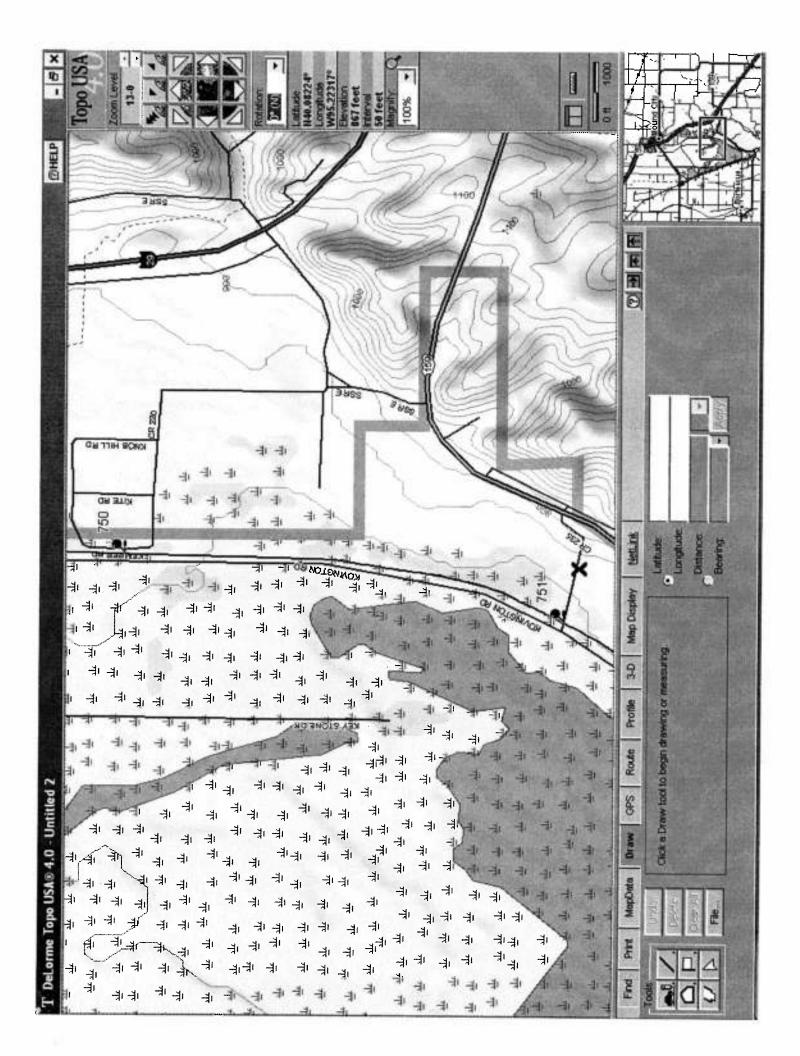
Field Data Sheets for Recreational Use Stream Surveys

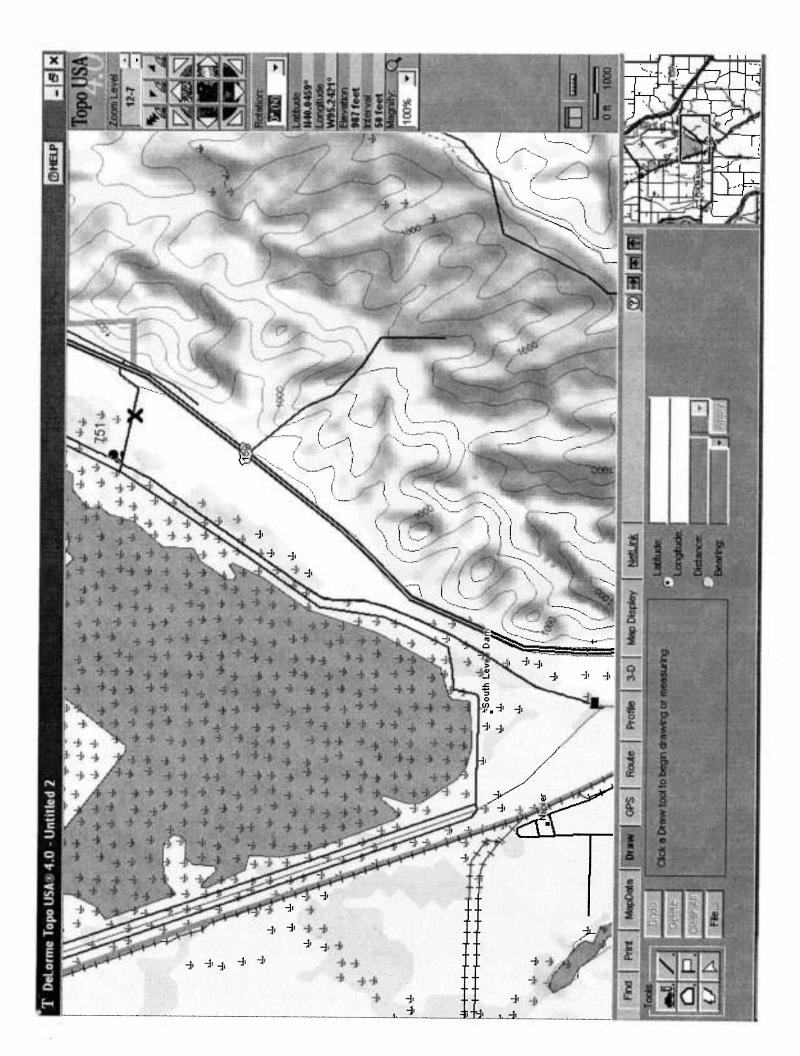
Data Sheet C - Interviews

(Make additional copies as necessary for multiple interviews)

2. Have you pe	rsonally used the	is water body for rehat apply:	ecreation since 1975?	□ Yes □ No	
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing	
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting	
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:	
3. Have you ob If so, ple		ing this water body	lease describe:		
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing	
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting	
☐ Hunting	Hunting ☐ Trapping		☐ None of the above	☐ Other:	
			for recreation? ease describe:		
4. Additional Co	omments:				









Site# 746 Photo ID# 0156, Upstream



Site# 746 Photo ID# 0158, Trash



Site# 746 Photo ID# 0155, Downstream



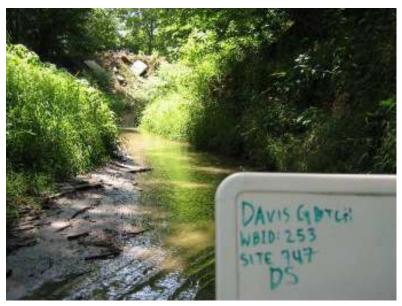
Site# 746 Photo ID# 0159, Agriculture



Site# 747 Photo ID# 0160, Upstream



Site# 747 Photo ID# 0162, description



Site# 747 Photo ID# 0161, Downstream



Site# 748 Photo ID# 0170, Upstream



Site# 748 Photo ID# 0171, Downstream



Site# 748 Photo ID# 0166, Footprints



Site# 748 Photo ID# 0165, description



Site# 748 Photo ID# 0168, Trash



Site# 748 Photo ID# 0169, Trash



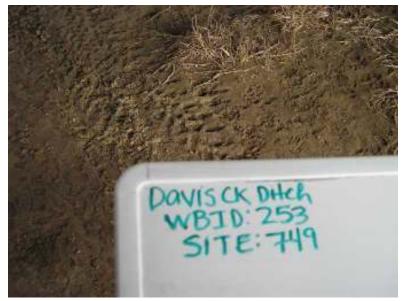
Site# 749 Photo ID# 0179, Downstream



Site# 749 Photo ID# 0178, Upstream



Site# 749 Photo ID# 0177, Tire marks



Site# 749 Photo ID# 0181, Tire tracks



Site# 750 Photo ID# 0176, Downstream



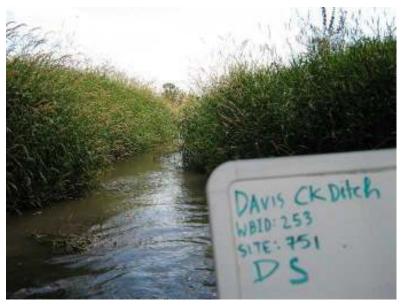
Site# 750 Photo ID# 0175, Upstream



Site# 751 Photo ID# 0172, Wildlife refuge sign



Site# 751 Photo ID# 0173, Upstream



Site# 751 Photo ID# 0174, Downstream